

Grupo Repol Dinalon® A1S25 G35 H PA66 35% Glass Fiber, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

Material Notes:

Mechanical properties for Dry As Molded samples Information provided by Grupo Repol

Order this product through the following link:

http://www.lookpolymers.com/polymer_Grupo-Repol-Dinalon-A1S25-G35-H-PA66-35-Glass-Fiber-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183/A
Moisture Absorption at Equilibrium	<= 0.25 %	<= 0.25 %	Karl-Fischer; ISO 15512/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	205 MPa	29700 psi	ISO 527
Elongation at Break	3.2 %	3.2 %	ISO 527
Tensile Modulus	11.0 GPa	1600 ksi	ISO 527
Flexural Strength	260 MPa	37700 psi	ISO 178
Flexural Modulus	7.30 GPa	1060 ksi	ISO 178
Charpy Impact Unnotched	8.00 J/cm ² @Temperature 23.0 Â°C	38.1 ft-lb/in ² @Temperature 73.4 Â°F	ISO 179/1eU
Charpy Impact, Notched	1.20 J/cm ² @Temperature 23.0 Â°C	5.71 ft-lb/in ² @Temperature 73.4 Â°F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	250 Â°C	482 Â°F	ISO 75/A
Vicat Softening Point	>= 230 Â°C	>= 446 Â°F	50N; ISO 306

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